

Sequence Listing

<110> Adams, Camelia W.
 Devaux, Brigitte
 Eaton, Dan L.
 Hass, Philip E.
 Judice, J. Kevin
 Kirchhofer, Daniel
 Suggett, Shelley

<120> Human Anti-Factor IX/IXa Antibodies

<130> P1661R2

<141> 1999-08-26

<150> US 60/098,233

<151> 1998-08-28

<150> US 60/122,767

<151> 1999-03-03

<160> 32

<210> 1

<211> 5

<212> PRT

<213> Artificial sequence

<220>

<223> Artificial linker sequence for assembling single chain antibodies

<400> 1

Gly Gly Gly Gly Ser
 1 5

<210> 2

<211> 43

<212> PRT

<213> Canis familiaris

<400> 2

Tyr Asn Ser Gly Lys Leu Glu Glu Phe Val Arg Gly Asn Leu Glu
 1 5 10 15

Arg Glu Cys Ile Glu Glu Lys Cys Ser Phe Glu Glu Ala Arg Glu
 20 25 30

Val Phe Glu Asn Thr Glu Lys Thr Thr Glu Phe Trp Lys
 35 40 43

<210> 3
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 <213> Mus musculus

<400> 3
 Tyr Asn Ser Gly Lys Leu Glu Glu Phe Val Arg Gly Asn Leu Glu
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Arg Glu Cys Ile Glu Glu Arg Cys Ser Phe Glu Glu Ala Arg Glu
 20 25 30

Val Phe Glu Asn Thr Glu Lys Thr Thr Glu Phe Trp Lys
 35 40 43

<210> 4
 <211> 43
 <212> PRT
 <213> Oryctolagus cuniculus

<400> 4
 Tyr Asn Ser Gly Lys Leu Glu Glu Phe Val Ser Gly Asn Leu Glu
 1 5 10 15

Arg Glu Cys Ile Glu Glu Arg Cys Ser Phe Glu Glu Ala Arg Glu
 20 25 30

Val Phe Glu Asn Thr Glu Lys Thr Thr Glu Phe Trp Lys
 35 40 43

<210> 5
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 5
 Tyr Asn Ser Gly Lys Leu Glu Glu Phe Val Gln Gly Asn Leu Glu
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Arg Glu Cys Met Glu Glu Lys Cys Ser Phe Glu Glu Ala Arg Glu
 20 25 30

Val Phe Glu Asn Thr Glu Arg Thr Thr Glu Phe Trp Lys
 35 40 43

<210> 6
<211> 42
<212> PRT
<213> Homo sapiens

<400> 6
Ala Asn Ser Lys Leu Glu Glu Met Lys Lys Gly His Leu Glu Arg
1 5 10 15
Glu Cys Met Glu Glu Thr Cys Ser Tyr Glu Glu Ala Arg Glu Val
20 25 30
Phe Glu Asp Ser Asp Lys Thr Asn Glu Phe Trp Asn
35 40 42

<210> 7
<211> 42
<212> PRT
<213> Homo sapiens

<400> 7
Ala Asn Ala Lys Leu Glu Glu Leu Arg Pro Gly Ser Leu Glu Arg
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Glu Cys Lys Glu Glu Gln Cys Ser Phe Glu Glu Ala Arg Glu Ile
20 25 30
Phe Lys Asp Ala Glu Arg Thr Lys Leu Phe Trp Ile
35 40 42

<210> 8
<211> 42
<212> PRT
<213> Homo sapiens

<400> 8
Ala Asn Ser Lys Leu Glu Glu Leu Arg His Ser Ser Leu Glu Arg
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Glu Cys Ile Glu Glu Ile Cys Asp Phe Glu Glu Ala Lys Glu Ile
20 25 30
Phe Gln Asn Val Asp Asp Thr Leu Ala Phe Trp Ser
35 40 42

<210> 9
<211> 42
<212> PRT

<213> Homo sapiens

<400> 9

Ala Asn Thr Lys Leu Glu Glu Val Arg Lys Gly Asn Leu Glu Arg
1 5 10 15

Glu Cys Val Glu Glu Thr Cys Ser Tyr Glu Glu Ala Phe Glu Ala
20 25 30

Leu Glu Ser Ser Thr Ala Thr Asp Val Phe Trp Ala
35 40 42

<210> 10

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<212> PRT

<213> Homo sapiens

<400> 10

Thr Tyr Ala Met His
1 5

<210> 11

<211> 17

<212> PRT

<213> Homo sapiens

<400> 11

Ile Ile Ser Tyr Asp Gly Ser Lys Lys Tyr Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly
17

<210> 12

<211> 11

<212> PRT

<213> Homo sapiens

<400> 12

Ala Ser Ile Ala Ala Ala Arg Val Leu Asp Tyr
1 5 10 11

<210> 13

<211> 13

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<213> Homo sapiens

<400> 13

Ser Gly Ser Thr Ser Asn Ile Gly Asn Asn Tyr Val Ser
1 5 10 13

<210> 14

<211> 7

<212> PRT

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<400> 14

Asp Val Ser Lys Arg Pro Ser
1 5 7

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Ala Ala Trp Asp Asp Ser Leu Ser Glu Phe Leu
1 5 10 11

<210> 16

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<212> PRT

<213> Homo sapiens

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Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
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Lys Gly
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<210> 17

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<223> unknown amino acid

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Ser Asp Tyr Gly Gly Asn Xaa Leu Gly Glu Phe
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<211> 17
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Ile Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
1 5 10 15
Lys Gly
17

<210> 19
<211> 11
<212> PRT
<213> Homo sapiens

<400> 19
Ala Ser Ile Ala Ala Gly Arg Val Leu Asp Tyr
1 5 10 11

<210> 20
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<212> PRT
<213> Homo sapiens

<400> 20
Ile Ile Ser Tyr Asp Gly Ser Lys Lys Tyr Tyr Ala Asp Ser Val
1 5 10 15
Lys Ser
17

<210> 21
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<213> Homo sapiens

<400> 21
Ser Tyr Ala Met His
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<210> 22
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<400> 22

Val Ile Ser His Asp Gly Gly Lys Lys Glu Tyr Ala Asp Ser Val
1 5 10 15

Arg Gly
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<210> 23

<211> 11

<212> PRT

<213> Homo sapiens

<400> 23

Ala Ala Tyr Thr Ala Ala Thr Ile Ala Asp Asn
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<211> 10

<212> PRT

<213> Homo sapiens

<400> 24

Thr Gly Ser Ser Arg Asp Val Asp Val Ser
1 5 10

<210> 25

<211> 7

<212> PRT

<213> Homo sapiens

<400> 25

Glu Val Ser Lys Arg Pro Ser
1 5 7

<210> 26

<211> 10

<212> PRT

<213> Homo sapiens

<400> 26

Ser Ser Tyr Gly Gly Ser Asn Asn Val Val
1 5 10

<210> 27

<211> 5

<212> PRT

<213> Homo sapiens

<400> 27

Asp Tyr Ala Met His

1 5

<210> 28

<211> 17

<212> PRT

<213> Homo sapiens

<400> 28

Thr Ile Ser Pro Ser Gly Arg Ser Thr Tyr Asn Ala Asp Ser Val

1 5 10 15

Lys Gly

17

<210> 29

<211> 11

<212> PRT

<213> Homo sapiens

<400> 29

Arg Gly Ile Gly Tyr Lys Gly Gly Phe Asp Val

1 5 10 11

<210> 30

<211> 13

<212> PRT

<213> Homo sapiens

<400> 30

Ser Gly Gly Arg Ser Asn Ile Gly Ser Asn Thr Val Lys

1 5 10 13

<210> 31

<211> 7

<212> PRT

<213> Homo sapiens

<400> 31

Gly Asn Asp Gln Arg Pro Ser

1 5 7

<210> 32

<211> 12

<212> PRT

<213> Homo sapiens

<400> 32

| | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gln | Ser | Tyr | Asp | Ser | Ser | Leu | Arg | Gly | Ser | Arg | Val |
| 1 | | | | 5 | | | | | 10 | | 12 |